

# FOV-chart

## ▼12Mega-Pixel Lens(1.1")/9Mega-Pixel Lens(1")

**FL-BC1220-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.150x	79.9	106.5	72.6	96.8
100	0.120x	97.6	130.1	88.7	118.3
125	0.096x	119.6	159.5	108.8	145.0
150	0.080x	141.7	188.9	128.8	171.7
175	0.069x	163.7	218.2	148.8	198.4
200	0.060x	185.7	247.6	168.8	225.1
225	0.053x	207.7	276.9	188.8	251.7
250	0.048x	229.6	306.2	208.7	278.3
275	0.044x	251.6	335.5	228.7	305.0
300	0.040x	273.6	364.8	248.7	331.6
350	0.034x	317.5	423.3	288.6	384.8
400	0.030x	361.4	481.9	328.5	438.1
450	0.027x	405.4	540.5	368.5	491.4
500	0.024x	449.4	599.1	408.5	544.7

**FL-BC1618-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.200x	62.2	82.9	56.5	75.4
100	0.160x	75.5	100.7	68.6	91.5
125	0.128x	92.1	122.8	83.7	111.6
150	0.107x	108.6	144.9	98.8	131.7
175	0.091x	125.2	166.9	113.8	151.7
200	0.080x	141.7	188.9	128.8	171.8
225	0.071x	158.2	211.0	143.8	191.8
250	0.064x	174.7	233.0	158.9	211.8
275	0.058x	191.3	255.0	173.9	231.8
300	0.053x	207.8	277.0	188.9	251.8
350	0.046x	240.8	321.0	218.9	291.8
400	0.040x	273.8	365.1	248.9	331.9
450	0.036x	306.8	409.1	278.9	371.9
500	0.032x	339.8	453.0	308.9	411.8

**FL-BC2518-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.313x				
100	0.250x	43.0	57.4	39.1	52.2
125	0.200x	53.6	71.5	48.7	65.0
150	0.167x	64.2	85.6	58.3	77.8
175	0.143x	74.7	99.6	67.9	90.6
200	0.125x	85.3	113.7	77.5	103.4
225	0.111x	95.9	127.8	87.1	116.2
250	0.100x	106.4	141.9	96.8	129.0
275	0.091x	117.0	156.0	106.4	141.8
300	0.083x	127.6	170.1	116.0	154.6
350	0.071x	148.7	198.3	135.2	180.2
400	0.063x	169.8	226.4	154.4	205.8
450	0.056x	190.9	254.6	173.6	231.4
500	0.050x	212.0	282.7	192.8	257.0

**FL-BC3518-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.438x				
100	0.350x				
125	0.280x				
150	0.233x	42.2	56.3	38.4	51.1
175	0.200x	49.7	66.3	45.2	60.3
200	0.175x	57.3	76.4	52.1	69.4
225	0.156x	64.8	86.4	58.9	78.6
250	0.140x	72.4	96.5	65.8	87.7
275	0.127x	79.9	106.6	72.7	96.9
300	0.117x	87.5	116.6	79.5	106.0
350	0.100x	102.6	136.7	93.2	124.3
400	0.088x	117.6	156.8	106.9	142.6
450	0.078x	132.7	177.0	120.7	160.9
500	0.070x	147.8	197.1	134.4	179.2

**FL-BC5024-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.625x				
100	0.500x				
125	0.400x				
150	0.333x				
175	0.286x				
200	0.250x	40.1	53.5	36.4	48.6
225	0.222x	45.4	60.5	41.2	55.0
250	0.200x	50.6	67.5	46.0	61.4
275	0.182x	55.9	74.6	50.8	67.8
300	0.167x	61.2	81.6	55.6	74.2
350	0.143x	71.8	95.7	65.2	87.0
400	0.125x	82.3	109.8	74.8	99.8
450	0.111x	92.9	123.9	84.4	112.6
500	0.100x	103.5	137.9	94.1	125.4

**FL-BC7528-9M**

Working Distance	Magnification	Field of view[mm]			
		1.1"		1"	
[mm]		V	H	V	H
80	0.938x				
100	0.750x				
125	0.600x				
150	0.500x				
175	0.429x				
200	0.375x				
225	0.333x				
250	0.300x	29.1	38.8	26.5	35.3
275	0.273x	32.6	43.5	29.7	39.5
300	0.250x	36.1	48.2	32.9	43.8
350	0.214x	43.2	57.6	39.3	52.3
400	0.188x	50.2	67.0	45.7	60.9
450	0.167x	57.3	76.4	52.1	69.4
500	0.150x	64.3	85.7	58.5	77.9

**Note :**

- Working Distance means the distance between the object and the edge of 1st lens.
- FOV data in this table are calculated. Individual lens FOV may vary according to optical lens.

**Sensor size**

	V	H
1.1"	10.6mm	14.1mm
1"	9.6mm	12.8mm

# FOV-chart

## ▼EXCEEDING 5Mega-Pixel Lens

**FL-CC0820-5MX**

Working Distance	Magnification	Field of view[mm]					
		2/3"		1/1.8"		1/2"	
[mm]		V	H	V	H	V	H
100	0.080x	89.4	119.2	73.2	97.5	65.0	86.7
125	0.064x	110.1	146.8	90.1	120.1	80.1	106.7
150	0.053x	130.7	174.3	106.9	142.6	95.0	126.7
175	0.046x	151.3	201.7	123.8	165.1	110.0	146.7
200	0.040x	172.0	229.3	140.7	187.6	125.1	166.8
225	0.036x	192.5	256.7	157.5	210.0	140.0	186.7
250	0.032x	213.2	284.2	174.4	232.6	155.0	206.7
275	0.029x	233.8	311.7	191.3	255.0	170.0	226.7
300	0.027x	254.3	339.1	208.1	277.5	185.0	246.6
350	0.023x	295.6	394.1	241.8	322.4	215.0	286.6
400	0.020x	336.7	449.0	275.5	367.3	244.9	326.5
450	0.018x	378.0	504.0	309.3	412.4	274.9	366.6
500	0.016x	419.3	559.1	343.1	457.4	305.0	406.6

**FL-CC1218-5MX**

Working Distance	Magnification	Field of view[mm]					
		2/3"		1/1.8"		1/2"	
[mm]		V	H	V	H	V	H
100	0.120x	60.9	81.2	49.8	66.4	44.3	59.0
125	0.096x	74.7	99.6	61.1	81.5	54.3	72.4
150	0.080x	88.5	118.0	72.4	96.6	64.4	85.8
175	0.069x	102.3	136.4	83.7	111.6	74.4	99.2
200	0.060x	116.1	154.8	95.0	126.6	84.4	112.6
225	0.053x	129.9	173.2	106.3	141.7	94.5	125.9
250	0.048x	143.6	191.5	117.5	156.7	104.5	139.3
275	0.044x	157.4	209.9	128.8	171.7	114.5	152.6
300	0.040x	171.2	228.2	140.0	186.7	124.5	166.0
350	0.034x	198.7	265.0	162.6	216.8	144.5	192.7
400	0.030x	226.3	301.7	185.1	246.8	164.6	219.4
450	0.027x	253.7	338.3	207.6	276.8	184.5	246.1
500	0.024x	281.3	375.1	230.2	306.9	204.6	272.8

**FL-CC1618-5MX**

Working Distance	Magnification	Field of view[mm]					
		2/3"		1/1.8"		1/2"	
[mm]		V	H	V	H	V	H
100	0.160x	47.3	63.0	38.7	51.6	34.4	45.8
125	0.128x	57.7	76.9	47.2	63.0	42.0	56.0
150	0.107x	68.1	90.8	55.7	74.3	49.5	66.1
175	0.091x	78.5	104.7	64.2	85.6	57.1	76.1
200	0.080x	88.9	118.5	72.7	96.9	64.6	86.2
225	0.071x	99.2	132.3	81.2	108.3	72.2	96.2
250	0.064x	109.6	146.1	89.7	119.5	79.7	106.3
275	0.058x	119.9	159.9	98.1	130.8	87.2	116.3
300	0.053x	130.3	173.7	106.6	142.1	94.7	126.3
350	0.046x	150.9	201.2	123.5	164.6	109.8	146.4
400	0.040x	171.6	228.8	140.4	187.2	124.8	166.4
450	0.036x	192.3	256.3	157.3	209.7	139.8	186.4
500	0.032x	212.9	283.9	174.2	232.3	154.8	206.5

**FL-CC2518-5MX**

Working Distance	Magnification	Field of view[mm]					
		2/3"		1/1.8"		1/2"	
[mm]		V	H	V	H	V	H
100	0.250x	24.0	32.0	19.6	26.1	17.4	23.2
125	0.200x	30.6	40.8	25.0	33.3	22.2	29.6
150	0.167x	37.2	49.7	30.4	40.5	27.0	36.0
175	0.143x	43.8	58.5	35.8	47.7	31.8	42.4
200	0.125x	50.4	67.3	41.2	54.9	36.6	48.8
225	0.111x	57.0	76.1	46.6	62.1	41.4	55.2
250	0.100x	63.6	84.9	52.0	69.3	46.2	61.6
275	0.091x	70.3	93.7	57.4	76.5	51.0	68.0
300	0.083x	76.9	102.5	62.8	83.7	55.8	74.4
350	0.071x	90.1	120.1	73.6	98.1	65.4	87.2
400	0.063x	103.3	137.7	84.4	112.5	75.0	100.0
450	0.056x	116.5	155.3	95.2	126.9	84.6	112.8
500	0.050x	129.7	172.9	106.0	141.3	94.2	125.6

**FL-CC3524-5MX**

Working Distance	Magnification	Field of view[mm]					
		2/3"		1/1.8"		1/2"	
[mm]		V	H	V	H	V	H
100	0.350x	18.6	24.8	15.3	20.3	13.6	18.1
125	0.280x	23.3	31.1	19.1	25.5	17.0	22.6
150	0.233x	28.1	37.4	23.0	30.6	20.4	27.2
175	0.200x	32.8	43.6	26.8	35.7	23.8	31.8
200	0.175x	37.5	49.9	30.7	40.9	27.3	36.3
225	0.156x	42.2	56.2	34.5	46.0	30.7	40.9
250	0.140x	46.9	62.5	38.4	51.1	34.1	45.5
275	0.127x	51.6	68.7	42.2	56.3	37.5	50.0
300	0.117x	56.3	75.0	46.1	61.4	41.0	54.6
350	0.100x	65.7	87.5	53.8	71.7	47.8	63.7
400	0.088x	75.1	100.1	61.5	81.9	54.7	72.8
450	0.078x	84.5	112.6	69.2	92.2	61.5	82.0
500	0.070x	93.9	125.1	76.9	102.5	68.4	91.1

**Note :**

- Working Distance means the distance between the object and the edge of 1st lens.
- FOV data in this table are calculated. Individual lens FOV may vary according to optical lens.

**Sensor size**

	V	H
2/3"	6.6mm	8.8mm
1/1.8"	5.4mm	7.2mm
1/2"	4.8mm	6.4mm

# FOV-chart

## ▼2Mega-Pixel Lens

**FL-CC2514-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.25x		
125	0.2x		
150	0.167x		
175	0.143x		
200	0.125x		
225	0.111x		
250	0.1x	66.0	88.0
275	0.091x	72.6	96.8
300	0.083x	79.2	105.6
350	0.071x	92.4	123.2
400	0.063x	105.6	140.8
450	0.056x	118.8	158.4
500	0.05x	132.0	176.0

**FL-CC3516-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
300	0.113x		
400	0.085x	78.2	104.2
500	0.068x	97.6	130.2
600	0.057x	117.1	156.1
700	0.049x	136.5	182.0
800	0.043x	155.9	207.9
900	0.038x	175.4	233.8
1000	0.034x	194.8	259.8
1100	0.031x	214.3	285.7
1200	0.028x	233.7	311.6
1300	0.026x	253.1	337.5
1400	0.024x	272.6	363.4
1500	0.023x	292.0	389.4

**FL-CC5028-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
300	0.167x		
400	0.125x		
500	0.1x		
600	0.083x		
700	0.071x		
800	0.063x		
900	0.056x	112.1	149.5
1000	0.05x	125.3	167.1
1100	0.045x	138.5	184.7
1200	0.042x	151.7	202.3
1300	0.038x	164.9	219.9
1400	0.036x	178.1	237.5
1500	0.033x	191.4	255.1

**FL-CC7528-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
300	0.243x		
400	0.182x		
500	0.146x		
600	0.121x		
700	0.104x	58.3	77.7
800	0.091x	67.3	89.8
900	0.081x	76.4	101.9
1000	0.073x	85.5	114.0
1100	0.066x	94.5	126.1
1200	0.061x	103.6	138.2
1300	0.056x	112.7	150.2
1400	0.052x	121.8	162.3
1500	0.049x	130.8	174.4

**FL-CC0614A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.062x	123.5	164.7
125	0.05x	150.1	200.2
150	0.041x	176.8	235.7
175	0.035x	203.4	271.2
200	0.031x	230.0	306.7
225	0.028x	256.6	342.1
250	0.025x	283.2	377.6
275	0.023x	309.8	413.1
300	0.021x	336.5	448.6
350	0.018x	389.7	519.6
400	0.016x	442.9	590.6
450	0.014x	496.2	661.6
500	0.012x	549.4	732.5

**FL-CC0814A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.082x	90.4	120.6
125	0.066x	110.5	147.3
150	0.055x	130.5	174.0
175	0.047x	150.5	200.7
200	0.041x	170.5	227.4
225	0.036x	190.5	254.0
250	0.033x	210.6	280.7
275	0.03x	230.6	307.4
300	0.027x	250.6	334.1
350	0.023x	290.6	387.5
400	0.021x	330.7	440.9
450	0.018x	370.7	494.3
500	0.016x	410.7	547.7

**FL-CC1214A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.123x	61.3	81.7
125	0.098x	74.7	99.6
150	0.082x	88.1	117.5
175	0.07x	101.5	135.4
200	0.062x	114.9	153.3
225	0.055x	128.4	171.2
250	0.049x	141.8	189.1
275	0.045x	155.2	206.9
300	0.041x	168.6	224.8
350	0.035x	195.5	260.6
400	0.031x	222.3	296.4
450	0.027x	249.2	332.2
500	0.025x	276.0	368.0

**FL-CC1614A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.16x	45.8	61.1
125	0.128x	56.1	74.8
150	0.107x	66.4	88.6
175	0.091x	76.7	102.3
200	0.08x	87.1	116.1
225	0.071x	97.4	129.8
250	0.064x	107.7	143.6
275	0.058x	118.0	157.3
300	0.053x	128.3	171.0
350	0.046x	148.9	198.5
400	0.04x	169.5	226.0
450	0.036x	190.1	253.5
500	0.032x	210.7	281.0

**FL-CC2514A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
100	0.256x	26.1	34.8
125	0.205x	32.5	43.4
150	0.171x	39.0	52.0
175	0.146x	45.4	60.6
200	0.128x	51.9	69.1
225	0.114x	58.3	77.7
250	0.102x	64.7	86.3
275	0.093x	71.2	94.9
300	0.085x	77.6	103.5
350	0.073x	90.5	120.7
400	0.064x	103.4	137.8
450	0.057x	116.2	155.0
500	0.051x	129.1	172.2

**FL-CC5024A-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
300	0.163x	35.7	47.6
400	0.122x	49.2	65.6
500	0.098x	62.8	83.7
600	0.081x	76.3	101.7
700	0.07x	89.8	119.8
800	0.061x	103.4	137.8
900	0.054x	116.9	155.9
1000	0.049x	130.4	173.9
1100	0.044x	144.0	192.0
1200	0.041x	157.5	210.0
1300	0.038x	171.1	228.1
1400	0.035x	184.6	246.1
1500	0.033x	198.1	264.2

**Note :**

- Working Distance means the distance between the object and the edge of 1st lens.
- FOV data in this table are calculated. Individual lens FOV may vary according to optical lens.

**Sensor size**

	V	H
2/3"	6.6mm	8.8mm
1/2"	4.8mm	6.4mm

## FOV-chart

### ▼5Mega-Pixel Lens

**FL-CC0814-5M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	1:58	16:48	14:24
0:00	1:34	19:12	9:36
0:00	1:18	19:12	0:00
0:00	1:07	19:12	16:48
0:00	0:59	21:36	12:00
0:00	0:52	19:12	2:24
0:00	0:47	21:36	21:36
0:00	0:42	21:36	12:00
0:00	0:39	21:36	4:48
0:00	0:33	0:00	14:24
0:00	0:29	0:00	2:24
0:00	0:26	2:24	9:36
0:00	0:23	2:24	21:36

**FL-CC1614-5M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	3:50	19:12	9:36
0:00	3:04	2:24	2:24
0:00	2:33	9:36	21:36
0:00	2:11	16:48	16:48
0:00	1:55	2:24	9:36
0:00	1:42	9:36	4:48
0:00	1:32	16:48	21:36
0:00	1:23	0:00	16:48
0:00	1:16	7:12	9:36
0:00	1:05	0:00	0:00
0:00	0:57	14:24	12:00
0:00	0:51	4:48	0:00
0:00	0:46	21:36	12:00

**FL-CC2514-5M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	6:00	19:12	16:48
0:00	4:48	9:36	12:00
0:00	4:00	0:00	7:12
0:00	3:25	14:24	2:24
0:00	3:00	4:48	21:36
0:00	2:40	19:12	16:48
0:00	2:24	9:36	12:00
0:00	2:10	0:00	7:12
0:00	2:00	14:24	2:24
0:00	1:42	19:12	16:48
0:00	1:30	0:00	7:12
0:00	1:20	4:48	21:36
0:00	1:12	9:36	12:00

### ▼2Mega-Pixel Lens

**FL-HC0514-2M**

Working Distance	Magnification	Field of view[mm]	
		1/2"	
[mm]		V	H
0:00	1:13	18:49	1:05
0:00	0:58	9:45	13:00
0:00	0:48	0:40	0:54
0:00	0:41	15:36	12:48
0:00	0:36	6:32	0:43
0:00	0:32	21:28	12:37
0:00	0:29	12:23	0:31
0:00	0:26	3:19	12:26
0:00	0:24	18:15	0:20
0:00	0:20	0:06	0:09
0:00	0:18	5:58	23:57
0:00	0:16	11:49	23:46
0:00	0:14	17:41	23:35

**FL-HC0614-2M**

Working Distance	Magnification	Field of view[mm]	
		1/2"	
[mm]		V	H
0:00	1:26	16:19	13:45
0:00	1:09	16:19	5:45
0:00	0:57	16:19	21:45
0:00	0:49	16:19	13:45
0:00	0:43	16:19	5:45
0:00	0:38	16:19	21:45
0:00	0:34	16:19	13:45
0:00	0:31	16:19	5:45
0:00	0:28	16:19	21:45
0:00	0:24	16:19	5:45
0:00	0:21	16:19	13:45
0:00	0:19	16:19	21:45
0:00	0:17	16:19	5:45

**FL-HC1214-2M**

Working Distance	Magnification	Field of view[mm]	
		1/2"	
[mm]		V	H
0:00	2:58		
0:00	2:22		
0:00	1:59		
0:00	1:42		
0:00	1:29		
0:00	1:19		
0:00	1:11	15:25	4:33
0:00	1:04	7:00	1:20
0:00	0:59	22:35	22:07
0:00	0:51	5:46	15:41
0:00	0:44	12:56	9:15
0:00	0:39	20:06	2:48
0:00	0:35	3:17	20:22

**FL-CC0814-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	1:59	7:26	17:54
0:00	1:35	3:58	5:17
0:00	1:19	0:30	16:40
0:00	1:08	21:02	4:02
0:00	0:59	17:34	15:25
0:00	0:53	14:06	2:48
0:00	0:47	10:38	14:11
0:00	0:43	7:10	1:33
0:00	0:39	3:42	12:56
0:00	0:34	20:46	11:42
0:00	0:29	13:50	10:27
0:00	0:26	6:54	9:13
0:00	0:23	23:58	7:58

**FL-CC1214-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	2:52		
0:00	2:18		
0:00	1:55	11:14	6:59
0:00	1:38	5:14	14:59
0:00	1:26	23:14	22:59
0:00	1:16	17:14	6:59
0:00	1:09	11:14	14:59
0:00	1:02	5:14	22:59
0:00	0:57	23:14	6:59
0:00	0:49	11:14	22:59
0:00	0:43	23:14	14:59
0:00	0:38	11:14	6:59
0:00	0:34	23:14	22:59

**FL-CC1614-2M**

Working Distance	Magnification	Field of view[mm]	
		2/3"	
[mm]		V	H
0:00	3:50		
0:00	3:04		
0:00	2:33		
0:00	2:11		
0:00	1:55		
0:00	1:42		
0:00	1:32	8:33	11:25
0:00	1:23	16:05	5:27
0:00	1:16	23:37	23:30
0:00	1:05	14:42	11:36
0:00	0:57	5:46	23:41
0:00	0:51	20:50	11:47
0:00	0:46	11:54	23:52

**Note :**

- Working Distance means the distance between the object and the edge of 1st lens.
- FOV data in this table are calculated. Individual lens FOV may vary according to optical lens.

**Sensor size**

	V	H
2/3"	6.6mm	8.8mm
1/2"	4.8mm	6.4mm

# FOV-chart

## ▼VGA Lens

**FL-HC0416X-VG**

Working Distance [mm]	Magnification	Field of view[mm] 1/2"	
		V	H
200	0.022x		
225	0.019x		
250	0.017x		
275	0.016x		
300	0.014x		
350	0.012x		
400	0.011x		
450	0.01x		
500	0.009x		
550	0.008x		
600	0.007x		
650	0.007x		
700	0.006x		

**FL-HC0612A-VG**

Working Distance [mm]	Magnification	Field of view[mm] 1/2"	
		V	H
200	0.031x	165.2	220.3
225	0.028x	184.6	246.1
250	0.025x	204.0	271.9
275	0.023x	223.3	297.8
300	0.021x	242.7	323.6
350	0.018x	281.5	375.3
400	0.016x	320.2	427.0
450	0.014x	359.0	478.7
500	0.012x	397.8	530.3
550	0.011x	436.5	582.0
600	0.01x	475.3	633.7
650	0.01x	514.0	685.4
700	0.009x	552.8	737.1

**FL-HC1212B-VG**

Working Distance [mm]	Magnification	Field of view[mm] 1/2"	
		V	H
200	0.061x		
225	0.054x		
250	0.049x		
275	0.044x		
300	0.041x		
350	0.035x		
400	0.031x	160.9	214.5
450	0.027x	180.6	240.8
500	0.024x	200.3	267.0
550	0.022x	220.0	293.3
600	0.02x	239.6	319.5
650	0.019x	259.3	345.8
700	0.017x	279.0	372.0

**FL-CC0418DX-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
200	0.025x		
225	0.022x		
250	0.02x		
275	0.018x		
300	0.016x		
350	0.014x		
400	0.012x		
450	0.011x		
500	0.01x		
550	0.009x		
600	0.008x		
650	0.008x		
700	0.007x		

**FL-CC0815B-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
200	0.043x	165.4	220.6
225	0.038x	184.8	246.3
250	0.034x	204.1	272.1
275	0.031x	223.4	297.9
300	0.028x	242.7	323.7
350	0.024x	281.4	375.2
400	0.021x	320.1	426.8
450	0.019x	358.7	478.3
500	0.017x	397.4	529.9
550	0.015x	436.0	581.4
600	0.014x	474.7	632.9
650	0.013x	513.4	684.5
700	0.012x	552.0	736.0

**FL-CC1614A-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
200	0.081x		
225	0.072x		
250	0.065x		
275	0.059x		
300	0.054x	124.2	165.6
350	0.046x	144.5	192.7
400	0.041x	164.9	219.9
450	0.036x	185.3	247.1
500	0.032x	205.7	274.2
550	0.029x	226.0	301.4
600	0.027x	246.4	328.6
650	0.025x	266.8	355.7
700	0.023x	287.2	382.9

**FL-BC1214D-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
300	0.042x	240.0	320.1
350	0.036x	278.0	370.6
400	0.032x	315.9	421.2
450	0.028x	353.8	471.7
500	0.025x	391.7	522.3
550	0.023x	429.6	572.8
600	0.021x	467.6	623.4
650	0.02x	505.5	674.0
700	0.018x	543.4	724.5
750	0.017x	581.3	775.1
800	0.016x	619.2	825.6
850	0.015x	657.1	876.2
900	0.014x	695.1	926.8

**FL-BC1218A-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
300	0.041x	233.7	311.6
350	0.035x	272.3	363.1
400	0.031x	310.9	414.6
450	0.028x	349.6	466.1
500	0.025x	388.2	517.6
550	0.023x	426.8	569.1
600	0.021x	465.5	620.6
650	0.019x	504.1	672.1
700	0.018x	542.7	723.7
750	0.017x	581.4	775.2
800	0.016x	620.0	826.7
850	0.015x	658.6	878.2
900	0.014x	697.3	929.7

**FL-BC2518-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
300	0.083x		
350	0.071x		
400	0.063x		
450	0.056x		
500	0.05x		
550	0.045x		
600	0.042x	224.3	299.1
650	0.038x	243.5	324.7
700	0.036x	262.7	350.3
750	0.033x	281.9	375.9
800	0.031x	301.1	401.5
850	0.029x	320.3	427.1
900	0.028x	339.5	452.7

**FL-BC5014A-VG**

Working Distance [mm]	Magnification	Field of view[mm] 2/3"	
		V	H
1000	0.05x	184.6	246.1
1050	0.048x	194.2	258.9
1100	0.045x	203.8	271.7
1150	0.043x	213.4	284.6
1200	0.042x	223.0	297.4
1300	0.038x	242.3	323.0
1400	0.036x	261.5	348.6
1500	0.033x	280.7	374.3
1600	0.031x	299.9	399.9
1700	0.029x	319.2	425.5
1800	0.028x	338.4	451.2
1900	0.026x	357.6	476.8
2000	0.025x	376.8	502.4

**Note :**

- Working Distance means the distance between the object and the edge of 1st lens.
- FOV data in this table are calculated. Individual lens FOV may vary according to optical lens.

**Sensor size**

	V	H
1"	9.6mm	12.8mm
2/3"	6.6mm	8.8mm
1/2"	4.8mm	6.4mm